

DESCRIPTION

A 6" aperture lensed wall wash for use with PAR30L or PAR38 lamps (150W max). The precisely formed specular internal reflector and glass spread lens direct a broad spread of illumination on vertical surfaces. The spread lens provides a smoother wash of light than can be obtained by PAR adjustables.

Catalog #	Type
Project	
Comments	
Prepared by	

SPECIFICATION FEATURES

A ... Reflector/Lens Assembly

Lamp is inclined 15° for optimum wallwash distribution. Optical assembly rotates 365° within housing and has knurl nut to maintain setting. Reflector/lens assembly is keyed to prevent improper orientation relative to lamp. Torsion springs pull trim tight to ceiling.

B ... Housing

Precision die-cast aluminum 1-1/2" (38mm) deep collar.

C ... Universal Mounting Bracket

Accepts 1/2" EMT, C Channel, T bar fasteners and hanger bars. Provides 5" total adjustment.

D ... Conduit Fittings

Die-cast screw tight connectors.

E ... Junction Box

U.L. listed for four in, four out #12 at 90°C pull through branch wiring. Pry-outs for four 1/2" and two 3/4" conduits. Access to junction box through panel in side of housing.

F ... Socket

Medium base porcelain socket with nickel plated screw shell.

G ... Insulation Detector

Self-resetting insulation detector opens circuit if insulation is improperly installed.

Labels

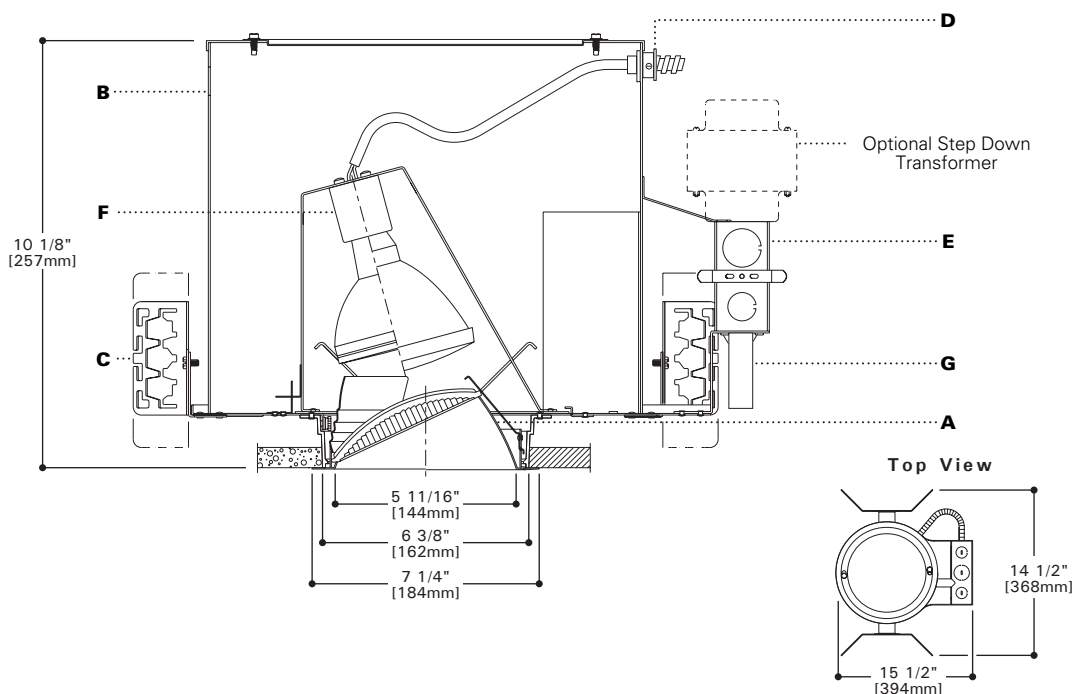
cULus listed, C.S.A. certified, damp location.



HLW6
6481/6483

75W MAX PAR30L
150W MAX PAR38

6" LENSED
WALL WASH



NOTES:
Accessories should be ordered separately. For additional options please consult your Cooper Lighting Representative. Alzak is a registered trademark of Aluminum Company of America.

ORDERING INFORMATION

Sample Number: Complete unit consists of housing, ballast and trim.

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Housing

HLW6: 6" PAR Lamp
Lens Wall Wash
HLW7: Lens Wall Wash
Incandescent

Options

CP: Chicago Plenum
DR*: DeRated, Specify
Wattage

Trims

6481: 6" Self Flanged
6483: 6" Metal Trim
Ring, White
7481: 7" Self Flanged
7483: 7" Metal Trim
Ring, White

Finish

B: Specular Black
G: Specular Gold
GP: Graphite
GPH: Graphite Haze
H: Semi-Specular Clear
LI: Specular Clear
W: Gloss White
WH: Wheat
WHH: Wheat Haze
WMH: Warm Haze

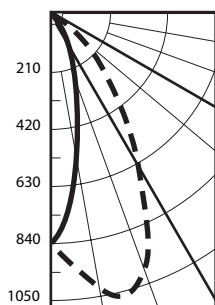
Option

WF: White Painted
Flanged (Self
Flanged only)

Accessories

H277: Step Down Transformer, 300VA Max
HB26: C Channel Bar Hangers, 26" Long, Pair
HB50: C Channel Bar Hangers, 50" Long, Pair
FK5: 5 Amp Field Installable Fuse Kit 300V Max
RMB-22: Wood Joist Bar Hanger, 22" Long, Pair

Candlepower Distribution



Test No. H22257
HLW6-6481C
 Lamp=150W PAR38
 Flood
 Lumens=1725
 Spacing Criteria
 0°=1.1 180°=0.4
 Efficiency=51.6%

--- 0° Wall
 — 180° Dwnlt

Candlepower

Deg.	0° Wall	180° Dwnlt
0	841	841
5	929	712
15	1066	363
25	800	148
35	457	72
45	224	25
55	103	6
65	51	0
75	15	0
85	1	0
90	0	0

Average Luminance CD/SQM

Deg.	0° Wall	180° Dwnlt
45	19316	2156
55	10950	638
65	7358	0
75	3534	0
85	700	0

Single Fixture 2'6" From Wall

DD	1'	2'	3'	4'	5'	6'
1	5	3	1	0	0	0
2	11	8	3	1	0	0
3	14	10	5	2	1	0
4	13	10	6	3	1	0
5	11	9	6	4	2	1
6	8	7	5	3	2	1
7	6	5	4	3	2	1
8	4	4	3	2	2	1
9	3	3	2	2	2	1
10	2	2	2	2	1	1

2' Distance From Wall

DD	2'	4'
1	14 12 14	11 3 11
2	29 27 29	21 9 21
3	36 34 36	23 14 23
4	32 32 32	19 15 19
5	26 26 26	15 13 15
6	20 20 20	12 11 12
7	14 15 14	9 9 9
8	11 11 11	7 7 7
9	8 8 8	5 5 5
10	6 6 6	4 4 4

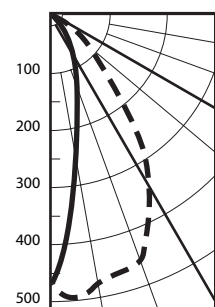
2'6" Distance From Wall

DD	3'	4'
1	5 4 5	5 2 5
2	13 11 13	12 7 12
3	19 17 19	16 11 16
4	20 19 20	16 13 16
5	18 18 18	15 13 15
6	16 15 16	12 12 12
7	13 13 13	10 10 10
8	10 10 10	8 8 8
9	8 8 8	7 7 7
10	6 6 6	5 5 5

3' Distance From Wall

DD	3'	4'
1	3 2 3	3 1 3
2	8 8 8	7 5 7
3	13 12 13	11 9 11
4	16 15 16	13 11 13
5	16 16 16	13 12 13
6	15 15 15	12 11 12
7	13 13 13	10 10 10
8	11 11 11	9 9 9
9	9 9 9	7 7 7
10	7 7 7	6 6 6

Candlepower Distribution



Test No. H22258
HLW6-6481C
 Lamp=75W PAR30
 Long Neck
 Flood
 Lumens=1000
 Spacing Criteria
 0°=1.1 180°=0.4
 Efficiency=47.4%

--- 0° Wall
 — 180° Dwnlt

Candlepower

Deg.	0° Wall	180° Dwnlt
0	466	466
5	496	351
15	462	175
25	392	89
35	255	48
45	120	15
55	60	3
65	33	0
75	13	0
85	1	0
90	0	0

Average Luminance CD/SQM

Deg.	0° Wall	180° Dwnlt
45	10339	1285
55	6336	298
65	4747	0
75	3157	0
85	910	0

Single Fixture 2'6" From Wall

DD	1'	2'	3'	4'	5'	6'
1	3	2	1	0	0	0
2	6	4	2	1	0	0
3	8	6	4	1	0	0
4	7	6	4	2	1	0
5	5	5	3	2	1	0
6	4	3	3	2	1	0
7	3	2	2	2	1	0
8	2	2	1	1	1	0
9	1	1	1	1	1	0
10	1	1	1	1	1	0

2' Distance From Wall

DD	2'	4'
1	9 8 9	7 2 7
2	16 16 16	11 5 11
3	21 21 21	13 9 13
4	18 18 18	10 9 10
5	13 13 13	8 7 8
6	9 10 9	6 5 6
7	7 7 7	4 4 4
8	5 5 5	3 3 3
9	4 4 4	3 3 3
10	3 3 3	2 2 2

2'6" Distance From Wall

DD	3'	4'
1	4 3 4	4 2 4
2	7 7 7	6 4 6
3	11 11 11	9 8 9
4	12 11 12	9 8 9
5	10 10 10	8 7 8
6	8 8 8	6 6 6
7	6 6 6	5 5 5
8	5 5 5	4 4 4
9	4 4 4	3 3 3
10	3 3 3	2 3 2

3' Distance From Wall

DD	3'	4'
1	2 2 2	2 1 2
2	5 5 5	4 3 4
3	7 7 7	6 5 6
4	9 9 9	7 7 7
5	9 9 9	7 7 7
6	8 8 8	6 6 6
7	7 7 7	5 5 5
8	5 5 5	4 4 4
9	4 4 4	4 4 4
10	3 4 3	3 3 3

Notes:

- Illuminance values for multiple fixtures are based upon the center two units of a four unit array. Footcandle values are centerline of fixtures and centered between fixtures.
- Illuminance values are cosine corrected initial values with no contribution from inter reflections from other room surfaces. Total illumination may increase from contributions from other surfaces.
- Changing fixture spacing will affect illuminance level.

$$\text{New Fc} = \frac{\text{Existing Spacing}}{\text{New Spacing}} \times \text{Average Table Fc Level}$$

- When selecting colored cones option, only downlight cone is colored; the wall wash reflector is natural Alzak. This allows the color (CRI, °K) of the light source to be unaffected and maximizes lumen output.

- Illuminance in footcandles. Lux conversion factor: 1FC=10.76 LUX

